

I claim:

1. An electrostatic generator, comprising:

a pair of counter-rotating disks inclusive of a first and second disk;

a plurality of charge plates angularly disposed about each of said first and second disk;

5 a plurality of grounding brushes associated with each of said disks and connected to ground, said grounding brushes being positioned to make rotational contact with corresponding alternate charge plates on each disk;

a pair of output terminals, each output terminal having a brush at one end for electrical connection to the charge plates on one of said disks;

10 whereby upon counter-rotation of said pair of disks, said grounding means induces each charge plate to accumulate a logarithmically-increasing charge until discharged to said output terminals.

2. An electrostatic generator comprising:

15 first and second nonconducting disks, rotatably mounted about a common principal axis, said first disk having a plurality of conducting sectors, and said second disk having an equal number of conducting sectors;

20 first and second charge collecting means, said first charge collecting means comprising a first contact with said first disk, a second contact with said second disk, and a first conductor, said second charge collecting means disposed opposite to said first charge collecting means and comprising a first contact with said first disk, a second contact with said second disk, and a second conductor;

charge balancing means comprising a first grounded brush for contacting said first disk, a second grounded brush for contacting an opposing portion of said first disk, a third grounded brush for contacting said second disk, and a fourth grounded contact for contacting an opposing portion of said second disk;

5 means for mechanically engaging said disks, wherein said first disk rotates about the principle axis in opposite direction to said second disk; and

mechanical input means for contra-rotation of the disks.

3. The electrostatic generator of claim 2, wherein said charge balancing means further comprises a conductor electrically inter-connecting a plurality of contacts with said first disk, and a conductor electrically inter-connecting a plurality of contacts with said second disk.

4. The electrostatic generator of claim 2, wherein said charge balancing means further comprises a plurality of conductors each connecting a pair of contacts with said first disk, and a plurality of conductors each connecting a pair of contacts with said second disk.

5. The electrostatic generator of according to claim 2, wherein said means for mechanically engaging said disks is a manual crank.